

## Features

- NEMA type 3R and 4X ratings for corrosion and weatherproofing.
- IP54 and IP66 rated for protection against dust and water
- LED Technology for Energy Efficiency
- Multiple candela settings: 15 - 185 Cd
- 1/8 watt up to 8 watts (70V)
- 25 or 70 VRMS
- Strobe synchronization with Potter fire alarm control panels and power supplies. Ability to mix xenon and LED strobes in the same field of view.
- 5-year warranty



## Description

The Potter PE Series feature advanced LED technology with a range of low and high candela settings for outdoor wall and ceiling-mount applications. Crafted with a low-profile design, these devices seamlessly complement building exteriors. Rich in features, the devices offer 6 candela settings and 6 horn patterns within a single unit. Installation is simplified with a pre-wire capable backbox or mounting plate. The PE Series is designed for 24V operations.

## High Efficiency, LED Technology

The PE series of LED strobes utilize LED technology and optical design to improve efficiency and reduce overall power consumption. Strobe models offer six candela settings (15, 30, 75, 1010, 135, 185 Cd for clear LED and 15, 30, 75, 110, 150, 177 Cd for amber LED models).

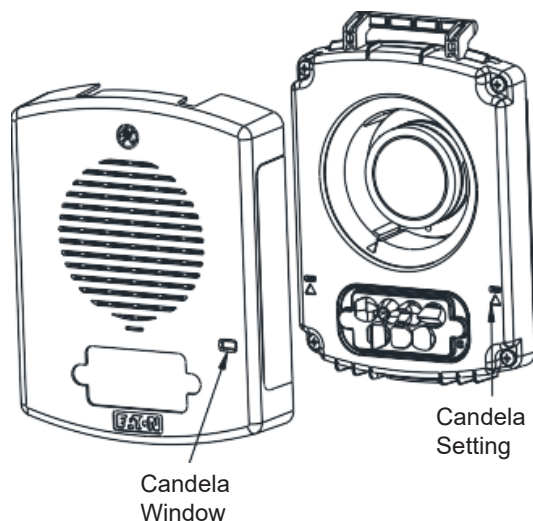
## Product Listing:

- UL Listed
- FM Approved
- CSFM

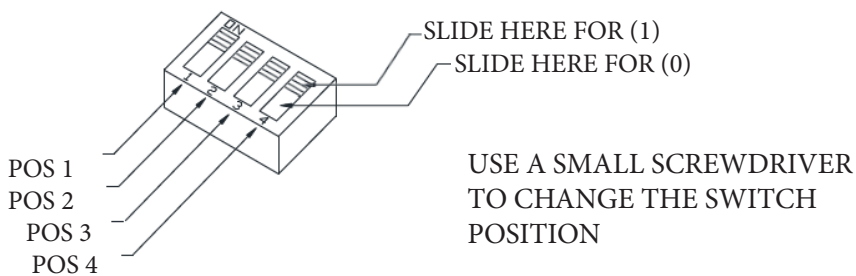
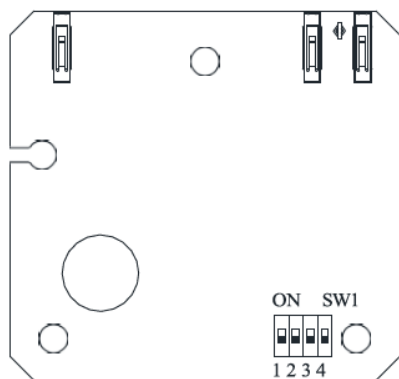
## Technical Specifications

Mounting Options	<ul style="list-style-type: none"> <li>• Ceiling or wall mount</li> <li>• 3R comes with mounting plate</li> <li>• 4X comes with backbox</li> </ul>
Wire Gauge	<ul style="list-style-type: none"> <li>• #12 through #18 AWG</li> </ul>
Operating Temp	<ul style="list-style-type: none"> <li>• 32°F to 122°F (0°C to 50°C)</li> <li>• Maximum humidity 93%</li> </ul>
Dimensions	<ul style="list-style-type: none"> <li>• Wall: 4.79"H x 2.76"W x 1.18"D</li> <li>• Trimplate: 5.25"H x 4.58"W x 0.32"D</li> <li>• Ceiling: 6.27" Diameter x 1.69"D</li> </ul>
Operating Voltage	<ul style="list-style-type: none"> <li>• 12 VDC/VFWR: 8 - 17.5 VDC/VFWR</li> <li>• 24 VDC/VFWR: 16 - 33 VDC/VFWR (12 VDC PE-HN/PE-HNC only)</li> </ul>
Strobe Output Rating	<ul style="list-style-type: none"> <li>• UL 1971, UL 1638, ULC S526. Selectable candela outputs for wall models (15, 30, 75, 110, 135, 185) and ceiling models (15, 30, 75, 110, 150, 177).</li> </ul>
Synchronization Models	<ul style="list-style-type: none"> <li>• Strobes can be synchronized with Potter fire alarm control panels and power supplies using Wheelock® sync protocol.</li> </ul>

## PE-3R/4XHS and PE-3R/4XST Switch Locations



## Mounting Options



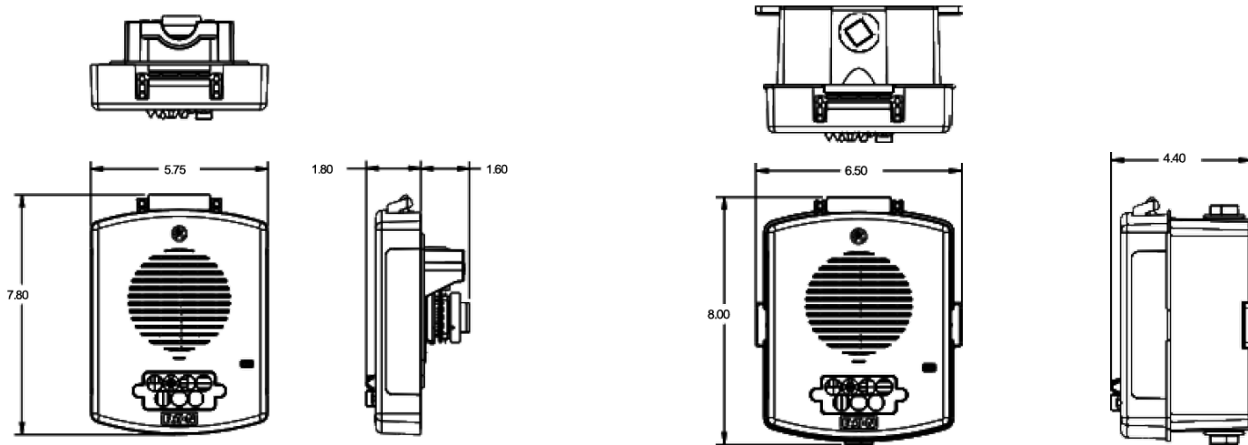
**Table 5: dBA Sound Output Level Setting**

Sound Output Level	Switch SW1 Settings
High dBA	SW1 POS 1 on 1 (Factory Setting)
Standard dBA	SW1 POS on 0

**Table 6: dBA Sound Output Level Setting**

Tone	Pattern Description	Switch (SW1)		
		POS 2	POS 3	POS 4
Horn **	Broadband Horn (Continuous)	1	1	1
Bell	1560 Hz Modulated (0.07 Sec. ON/Repeat)	1	0	1
March Time Horn	Horn (0.25 Sec. ON/0.25 Sec. OFF/Repeat)	0	0	1
Code 3 Horn	Horn (ANSI S3.41 Temporal Pattern)	1	1	0
Code 3 Whoop	500 Hz (ANSI S3.41 Temporal Pattern)	0	1	1
Slow Whoop	500-1200Hz Sweep (4 sec ON/0.5 sec OFF/Repeat)	0	1	0
Siren	600-1200Hz Sweep (1.0 Sec. ON/Repeat)	1	0	0
HI/LO	1000/800 Hz (0.25 Sec. ON/Alternate)	0	0	0

## Dimensions



## Multitone Strobe and Current Draw

Model	Regulated Voltage Range (VDC)	15 Cd	30 Cd	75 Cd	110 Cd	150 Cd	185 Cd
PE-3RMTST	16.0-33.0	0.026	0.038	0.069	0.097	0.179	0.206
PE-4XMST	16.0-33.0	0.026	0.038	0.070	0.097	0.179	0.206
Model (AMBER)	Regulated Voltage Range (VDC)	15 Cd	30 Cd	75 Cd	95 Cd	150 Cd	177 Cd
PE-3RMTSTA	16.0-33.0	0.026	0.038	0.069	0.097	0.179	0.206
PE--4XMTSTA	16.0-33.0	0.034	0.053	0.098	0.097	0.179	0.206

## PE-3R/4X Multi-Tone Horn Current and Sound Pressure Level Ratings

Tone	Volume	16-33VCD	16-33VFWR	8-17.5VCD	8-17.5VFWR	Reverberant dBA at 10ft Per UL464/ULC525
Horn **	HI	0.108	0.087	0.177	0.172	88
	STD	0.044	0.045	.034	0.039	83
Bell	HI	0.053	0.067	0.095	0.095	81
	STD	0.024	0.028	0.020	0.023	75
March Time Horn	HI	0.104	0.087	0.142	0.156	88
	STD	0.087	0.045	0.034	0.041	83
Code 3 Horn	HI	0.122	0.087	0.200	0.183	88
	STD	0.035	0.045	0.034	0.039	83
Code 3 Whoop	HI	0.135	0.110	0.152	0.150	81
	STD	0.035	0.032	0.027	0.030	76
Slow Whoop	HI	0.098	0.092	0.142	0.142	87
	STD	0.037	0.042	0.035	0.038	81
Siren	HI	0.104	0.092	0.152	0.152	87
	STD	0.042	0.040	0.030	0.034	81
HI/LO	HI	0.057	0.063	0.114	0.114	84
	STD	0.035	0.035	0.027	0.030	79

**Notes:** When the application requires T4; field devices must be set to T3/T4 Horn setting and in the Potter Programming Software the corresponding circuit be set to Wheelock T4

## Specification & Ordering Information

Model Number	Part Number	Mounting	Strobe Candela	Red	White	Lettering
<b>Multitone</b>						
PE-3RMT-NR	4871242	Wall/Ceiling	15, 30, 75, 95/110, 150, 177/185	X		Fire
PE-3RMT-NW	4871244	Wall/Ceiling	15, 30, 75, 95/110, 150, 177/185		X	Fire
PE-4XMT-NR	4871243	Wall/Ceiling	15, 30, 75, 95/110, 150, 177/185	X		Fire
PE-4XMT-NW	4871245	Wall/Ceiling	15, 30, 75, 95/110, 150, 177/185		X	Fire
<b>Multitone Strobe</b>						
PE-3RMTST-FR	4871152	Clear	15, 30, 75, 110, 150, 185	X		Fire
PE-3RMTST-FW	4871153	Clear	15, 30, 75, 110, 150, 185		X	Fire
PE-4XMTST-FR	4871150	Amber	15, 30, 75, 95, 150, 177		X	ALERT
PE-4XMTST-FW						

<b>Accessories</b>						
Model Number	Part Number	Description			Red	White
PE-LP-FR(10Pk)	4871202	LETTER PLATE, RED, FIRE (10 PAIR PER PKG. - 1 PAIR PER DEVICE)			X	
PE-LP-FW(10Pk)	4871203	LETTER PLATE, WHITE, FIRE (10 PAIR PER PKG. - 1 PAIR PER DEVICE)				X
PE-LP-NR(10Pk)	4871206	LETTER PLATE, RED, NO LETTERING (10 PAIR PER PKG. - 1 PAIR PER DEVICE)			X	
PE-LP-NW(10Pk)	4871207	LETTER PLATE, WHITE, NO LETTERING (10 PAIR PER PKG. - 1 PAIR PER DEVICE)				X
PE-LP-AR(10Pk)	4871194	LETTER PLATE, RED, AGENT (10 PAIR PER PKG. - 1 PAIR PER DEVICE)			X	
PE-LP-AW(10Pk)	4871195	LETTER PLATE, WHITE, AGENT (10 PAIR PER PKG. - 1 PAIR PER DEVICE)				X
PE-LP-ALR(10Pk)	4871192	LETTER PLATE, RED, ALERT (10 PAIR PER PKG. - 1 PAIR PER DEVICE)			X	
PE-LP-ALW(10Pk)	4871193	LETTER PLATE, WHITE, ALERT (10 PAIR PER PKG. - 1 PAIR PER DEVICE)				X

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## Architect & Engineering Specifications

The LED outdoor notification appliances shall be Potter PE-3RMT/ PE-4XMT Multi-Tone Horn PE-3RMTST/PE-4XMTST Multi-tone Horn Strobe PE-3RMTSTA/ PE-4XMTSTA Multi-tone Horn Strobe (Amber) audible appliances for wall and ceiling-mount applications with a low-profile design or approved equals. Special lettering, including AGENT, ALERT, EVACUATE, and no lettering, shall be available. The outdoor series PE-3RMT/PE-4XMT Multi-Tone Horn PE-3RMTST/PE-4XMTST Multi-tone Horn Strobe PE-3RMTSTA/ PE-4XMTSTA Multi-tone Horn Strobe (Amber) shall be certified for: Certified to NEMA type 3R | 4X, IP54 [IP66 Certified] Tested to IP67, NFPA 72 2016 (Meets maximum light pulse duration of 20 ms), IEC 60529 2nd edition + amendment 3- August 2013, FCC Part 15B / ICES-003- Class A, UL 50 13th edition- October 2020, UL 50E 3rd edition- October 2020, UL464 11th edition: CAN/ULC 525 5th edition- May 2023, UL1480 7th edition: CAN/ULC 541 5th edition- May 2023, UL1638 6th edition: CAN/ULC 526 5th edition- April 2023, California State Fire Marshal (CSFM)- Pending, Factory Mutual (FM)- Pending, ADA/ NFPA/ANSI/OSHA. All inputs shall be compatible with standard reverse polarity supervision of circuit wiring by a Fire Alarm Control Panel (FACP) with the ability to operate from 16 to 33 VDC/VFWR. Amber is certified for Emergency Warning.

The PE-3RMT/PE-4XMT Multi-Tone Horn PE-3RMTST/PE-4XMTST Multi- tone Horn Strobe PE-3RMTSTA/ PE-4XMTSTA Multi-tone Horn Strobe (Amber) appliances shall produce a flash rate of one (1) flash per second over the Regulated Voltage Range and shall incorporate a Light Emitting Diode (LED) as the light source with a rugged Lexan® lens. The appliances shall be of low current design. The LED strobe flash duration shall be 20 ms. Where Multi-Candela appliances are specified, the strobe intensity shall have 6 field selectable settings at 15, 30, 75, 110,

150 and 185 candela for the clear lens and 15, 30, 75, 95, 150, 177cd for the amber lens. The selector switch for selecting the candela shall be tamper resistant. Appliances with candela settings shall show the candela selection in a visible location at all times when installed. The PE-3RMT/PE-4XMT Multi-Tone Horn PE-3RMTST/PE-4XMTST Multi-tone Horn Strobe PE-3RMTSTA/ PE-4XMTSTA Multi-tone Horn Strobe (Amber) audible shall include a hinged mounting plate.

The outdoor series PE-3RMT/PE-4XMT Multi-Tone Horn PE-3RMTST/ PE-4XMTST Multi-tone Horn Strobe PE-3RMTSTA/ PE-4XMTSTA Multi-tone Horn Strobe (Amber) appliances shall include a mounting plate or surface mounting box from the factory. The outdoor series PE-3RMT/ PE-4XMT Multi-Tone Horn PE-3RMTST/PE-4XMTST Multi-tone Horn Strobe PE-3RMTSTA/ PE-4XMTSTA Multi-tone Horn Strobe (Amber) incorporates pre-wire, pre-test mounting plate and back box terminals. The outdoor series PE-3RMT/PE-4XMT Multi-Tone Horn PE-3RMTST/PE-4XMTST Multi-tone Horn Strobe PE-3RMTSTA/ PE-4XMTSTA Multi-tone Horn Strobe (Amber) rated to NEMA type 3R, IP54 and NEMA type 4X, IP66 respectively, when used with the included mounting accessory. Two wire appliance wiring shall be capable of directly connecting to the mounting plate or back box. Removal of an appliance shall result in a supervision fault condition by the Fire Alarm Control Panel (FACP). All notification appliances shall be backwards compatible.

The outdoor series PE-3RMT/PE-4XMT Multi-Tone Horn PE-3RMTST/ PE-4XMTST Multi-tone Horn Strobe PE-3RMTSTA/ PE-4XMTSTA Multi- tone Horn Strobe (Amber) appliances shall provide installers ease of installation provided by the self-supporting hanging hinge feature.

When synchronization is required, the appliance shall be compatible with Wheelock's DSM Sync Modules, PS Power Supplies, SAFEPATH products, Intelligent Notification Controller and other manufacturer's panels with built-in Wheelock Patented Sync Protocol. The strobes shall not drift out of synchronization at any time during operation. If the sync protocol fails to operate, the strobe shall revert to a non-synchronized flashrate and still maintain (1) flash per second over its Regulated Voltage Range. The appliance shall also be designed so that the audible signal may be silenced while maintaining strobe activation when used with Wheelock® patented sync protocol.